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## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## 5 Listing of Claims:

Claim 1 (currently amended): A liquid crystal display device comprising:

- a liquid crystal display panel;
- a light source for providing light beams to irradiate the liquid crystal display panel; and
- an optical sheet positioned between the liquid crystal display panel and the light source and having a first surface facing the light source, the first surface having a plurality of prisms for totally reflecting portions of ambient light beams that have passed through the liquid crystal display panel to irradiate the liquid crystal display panel and to increase a brightness of the liquid crystal display device by the portions of ambient light beams, each of the prisms comprising a first plane and a second plane, an included angle between the first plane and the second plane being in the range between 80 and 130°.

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Claim 2 (original): The liquid crystal display device of claim 1 wherein each of the prisms is a symmetric structure or an asymmetric structure.

Claim 3 (canceled).

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Claim 4 (previously presented): The liquid crystal display device of claim 1 wherein the optical sheet comprises a second surface facing the liquid crystal display panel.

Claim 5 (original): The liquid crystal display device of claim 4 wherein a is an included angle between a normal of the second surface and the first plane of each prism, and  $a = 90^{\circ} - \sin^{-1}(n_1 * \sin(b)/n_2) - c$ , wherein b is an incident angle of the ambient

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light beams when the ambient light beams are incident on the second surface of the optical sheet,  $c = \sin^{-1}(n_1/n_2)$ ,  $n_1$  is a refractive index of an ambient environment, and  $n_2$  is a refractive index of the optical sheet.

5 Claim 6 (original): The liquid crystal display device of claim 5 wherein b is less than or equal to 60°.

Claim 7 (original): The liquid crystal display device of claim 5 wherein d is an included angle between the normal of the second surface and the second plane of each prism, and  $d=45^{\circ}+[\sin^{-1}(n_1*\sin(f)/n_2)-a+c]/2$ , wherein f is a refraction angle of the ambient light beams when the ambient light beams leave the second surface of the optical sheet.

Claim 8 (original): The liquid crystal display device of claim 7 wherein f is less than or equal to 60°.

Claim 9 (original): The liquid crystal display device of claim 1 wherein the optical sheet is a diffusing sheet.

Claim 10 (original): The liquid crystal display device of claim 9 wherein the optical sheet comprises polycarbonate (PC), polyethylene terephthalate (PET) or polymethyl methacrylate (PMMA).

Claim 11 (original): The liquid crystal display device of claim 1 wherein the optical sheet is a polarizer.

Claim 12 (currently amended): A liquid crystal display device comprising:

a liquid crystal display panel; and

an optical sheet having a first surface facing the liquid crystal display panel and a second surface opposed to the first surface, the second surface comprising a plurality of prisms for totally reflecting portions of ambient light beams that have 5

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passed through the liquid crystal display panel to irradiate the liquid crystal display panel and to increase a brightness of the liquid crystal display device by the portions of ambient light beams, each of the prisms comprising a first plane and a second plane, an included angle between the first plane and the second plane being in the range between 80° and 130°.

Claim 13 (canceled).

Claim 14 (previously presented): The liquid crystal display device of claim 12 wherein each of the prisms is a symmetric structure or an asymmetric structure.

Claim 15 (canceled).

Claim 16 (previously presented): The liquid crystal display device of claim 12 wherein a is an included angle between a normal of the first surface and the first plane of each prism, and  $a=90^{\circ}-\sin^{-1}(n_1*\sin(b)/n_2)-c$ , wherein b is an incident angle of the ambient light beams when the ambient light beams are incident on the first surface,  $c=\sin^{-1}(n_1/n_2)$ ,  $n_1$  is a refractive index of an ambient environment, and  $n_2$  is a refractive index of the optical sheet.

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Claim 17 (original): The liquid crystal display device of claim 16 wherein b is less than or equal to 60°.

Claim 18 (original): liquid crystal display device of claim 16 wherein d is an included angle between the normal of the first surface and the second plane of each prism, and  $d=45^{\circ}+[\sin^{-1}(n_1*\sin(f)/n_2)-a+c]/2$ , wherein f is a refraction angle of the ambient light beams when the ambient light beams leave the first surface of the optical sheet.

Claim 19 (original): The liquid crystal display device of claim 18 wherein f is less than or equal to 60°.

Claim 20 (original): The liquid crystal display device of claim 12 wherein the optical sheet is a diffusing sheet.

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Claim 21 (original): The liquid crystal display device of claim 20 wherein the optical sheet comprises polycarbonate, polyethylene terephthalate or polymethyl methacrylate.

Claim 22 (original): The liquid crystal display device of claim 12 wherein the optical sheet is a polarizer.

Claim 23 (origina

Claim 23 (original): The liquid crystal display device of claim 12 further comprising a light source for providing light beams to irradiate the liquid crystal display panel, and the optical sheet being positioned between the liquid crystal display panel and the light source.

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